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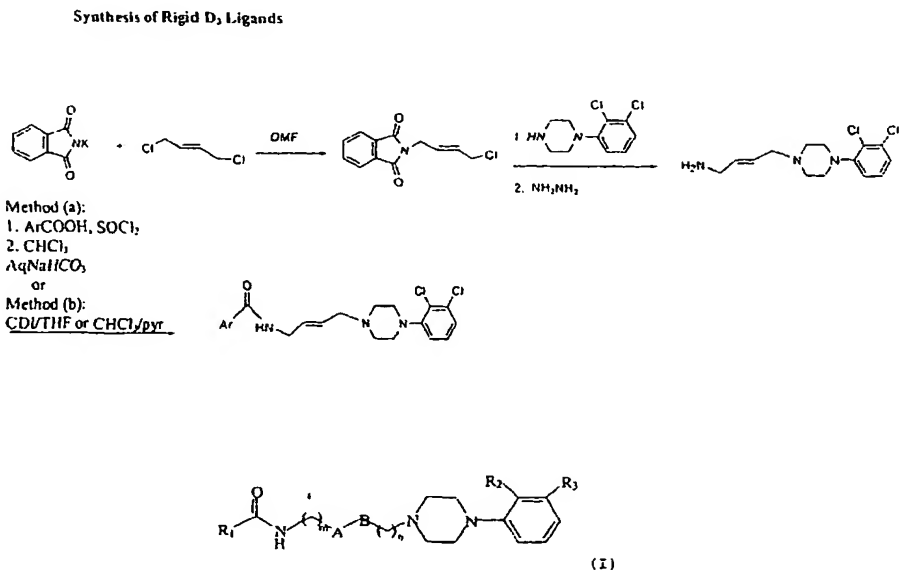
(54) Title: STRUCTURALLY RIGID DOPAMINE D3 RECEPTOR SELECTIVE LIGANDS AND PROCESS FOR MAKING THEM



(I)

(57) Abstract: A family of structurally rigid dopamine D3 receptor selective ligands is described. The family of structurally rigid dopamine D3 receptor selective ligands has the formula wherein A is cis or trans -CH=CH-, -C=C-, or cyclohexyl. B is cis or trans -CH=CH- or absent.R1 represents an optionally substituted phenyl group, wherein said substituents are selected from the group consisting of: hydrogen, halogen, amino, nitro, hydroxyl, alkoxy, alkyl, acyl and pyridyl, and said substitution may occur at any of the ortho, meta, or para positions, or R1 represents a heteroaromatic ring. A preferred heteroaromatic ring is indole, quinoxoline, pyridyl, pyrimidyl, or imidazole. R2 and R3 may be independently hydrogen or a halogen, or R2 alone may be C1, C2, or C3 alkoxy, and m is 1 or 2, and n is 0, 1, or 2.

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